

Title (en)

INJECTION UNIT FOR INJECTION OF A FIRST FUEL AND A SECOND FUEL IN A COMBUSTION SPACE

Title (de)

EINSPRITZEINHEIT ZUM EINSPIESEN EINES ERSTEN BRENNSTOFFS UND EINES ZWEITEN BRENNSTOFFS IN EINEN VERBRENNUNGSRAUM

Title (fr)

UNITÉ D'INJECTION POUR UN PREMIER CARBURANT ET UN SECOND CARBURANT DANS UN ESPACE DE COMBUSTION

Publication

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Application

**EP 11798452 A 20110617**

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Abstract (en)

[origin: WO2011162681A1] The present invention relates to an injection unit (9) for injection of a first fuel (f1) and a second fuel (f2) in a combustion space. The injection unit (9) receives the first fuel (f1) from a second fuel source (7) in which this fuel is at a high pressure, and the second fuel (f2) from a second fuel source (15) in which the second fuel is at a lower pressure than the first fuel, an actuator (29) which initiates a process of injecting at least the second fuel (f2) in the combustion space, and an injection nozzle (36) adapted to injecting at least the second fuel (f2) in the combustion space. The injection unit (9) comprises a pressure boosting device (40) adapted to increasing the pressure of the second fuel (f2) to a higher level than the pressure in the second fuel source (15) by means of the pressure of the first fuel (f1), before the second fuel is injected into the combustion space by the injection nozzle (36).

IPC 8 full level

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